## **AMENDMENTS TO THE CLAIMS**

The claims listed below replace all prior versions and listings of claims in the application.

1. (Currently Amended) An ink composition comprising a liquid medium, a colorant pigment and at least 0.1% by weight of the ink of an amphiphilic material having the formula

R-O-O<sub>n</sub>A'M' where

R represents an alkyl, aryl, akyl-aryl or alkenyl group;

Q represents a hydrophilic repeating unit of ethylene oxide or propylene oxide, wherein n>4;

A represents a sulfate, sulfonate or phosphate group;

M<sup>+</sup> represents a cation such as potassium, sodium, lithium or ammonium;

and where if the <u>eolorant pigment</u> is a modified carbon black with organic groups covalently bonded thereto, the amphiphilic material has the same charge as the modified carbon black.

- 2. (Original) The ink composition of claim 1 where the amphiphilic material is one or more compositions selected from the group of (a) alkyl, aryl, alkyl-aryl or alkenyl ether phosphates and salts thereof, including sodium, potassium, ammonium and lithium salts; and (b) alkyl, aryl, alkyl-aryl or alkenyl ether sulfates and salts therof, including sodium, potassium, ammonium and lithium salts.
- 3. (Original) The ink composition of Claim 2 wherein the ink comprises no more than 10% of the amphiphilic material on a weight basis.
- 4. (Original) The ink composition of Claim 1 further comprising at least 0.1% by weight of the ink of a second amphiphilic material, where the second amphiphilic material has the formula

## XQ<sub>n</sub>R'-Y-R where

X represents hydroxyl or amino functionality;

Q represents a hydrophilic repeating unit of ethylene oxide or propylene oxide, wherein n>4;

R' represents C<sub>1</sub> to C<sub>6</sub> alkyl functionality;

Y represents oxygen, nitrogen or sulfur; and

R represents an alkyl, aryl, alkyl-aryl or alkenyl group.

- 5. (Original) The ink composition of Claim 4 where the second amphiphilic material is one or more compositions selected from the group of (a) alkyl, aryl, alkyl-aryl or alkenyl mercaptan ethoxylates and (b) alky phenol ethoxylates.
- 6. (Original) The ink composition of Claim 4 wherein the ink comprises no more than 10% of the second amphiphilic material on a weight basis.
- 7. (Currently Amended) An ink composition comprising a liquid medium, a eolorant pigment and at least 0.1% by weight of the ink of an amphiphilic material having the formula XQ<sub>0</sub>R'-Y-R where

X represents hydroxyl or amino functionality;

Q represents a hydrophilic repeating unit of ethylene oxide or propylene oxide, wherein n>4:

R' represents  $C_1$  to  $C_6$  alkyl functionality;

Y represents oxygen, nitrogen or sulfur; and

R represents an alkyl, aryl, alkyl-aryl or alkenyl group.

- 8. (Original) The ink composition of Claim 7 where the amphiphilic material is one or more compositions selected from the group of (a) alkyl, aryl, alkyl-aryl or alkenyl mercaptan ethoxylates and (b) alky phenol ethoxylates.
- 9. (Original) The ink composition of Claim 7 further comprising at least 0.1% by weight of the ink of a second amphiphilic material, where the second amphiphilic material has the formula

## $R-O-Q_nAM^+$ where

R represents an alkyl, aryl, akyl-aryl or alkenyl group;

Q represents a hydrophilic repeating unit of ethylene oxide or propylene oxide, wherein n>4;

A represents a sulfate, sulfonate or phosphate group; and M represents a cation such as potassium, sodium, lithium or ammonium.

10. (Original) The ink composition of Claim 9 where the second amphiphilic material is one or more compositions selected from the group of (a) alkyl, aryl, alkyl-aryl or alkenyl ether phosphates and salts thereof, including sodium, potassium, ammonium and lithium salts; and (b) alkyl, aryl, alkyl-aryl or alkenyl ether sulfates and salts therof, including sodium, potassium, ammonium and lithium salts.

- 11. (NEW) The ink composition of Claim 1 wherein n is at least 11.
- 12. (NEW) The ink composition of Claim 1 wherein n is at least 30.
- 13. (NEW) The ink composition of Claim 1 wherein n is at least 50.
- 14. (NEW) The ink composition of Claim 9 wherein n of the second amphiphilic material is at least 11.
- 15. (NEW) The ink composition of Claim 9 wherein n of the second amphiphilic material is at least 30.
- 16. (NEW) The ink composition of Claim 9 wherein n of the second amphiphilic material is at least 50.